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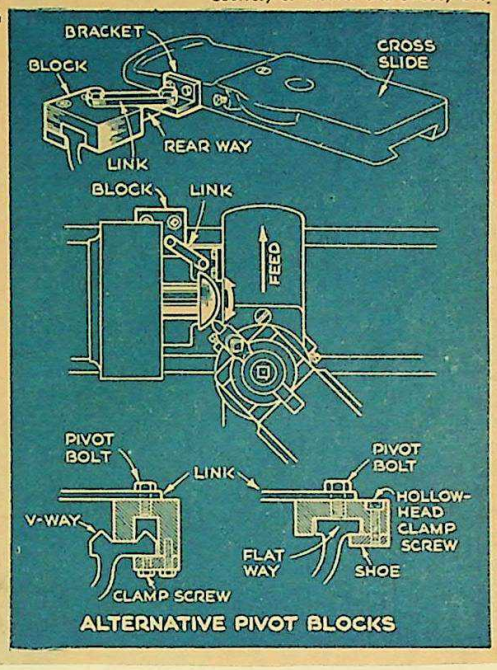
SPHERICAL HEADS may be produced on a large quantity of duplicate parts with the accessory shown at the right. Bolt an angle bracket to the face of the cross slide and mount a suitable pivot block on the rear way of the lathe. Two alternate types are shown at the right—one for a V-way, the other for a flat way.

Make a flat link of appropriate length and drill a hole at each end of it, spacing the two holes a distance apart equal to the radius to be machined on the work. Mount the link by means of two close-fitting pins or bolts that thread into the pivot block and angle bracket respectively. As the cross slide is advanced, the swivel action of the link moves the carriage along the lathe ways in such a manner that the tool bit travels in an arc.—R. WASHBURN.

Courtesy of Warner and Swasey Co.



N° 763.982

FIG 1.

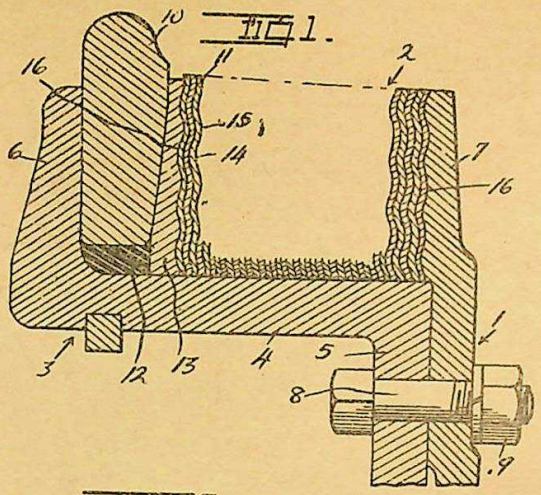
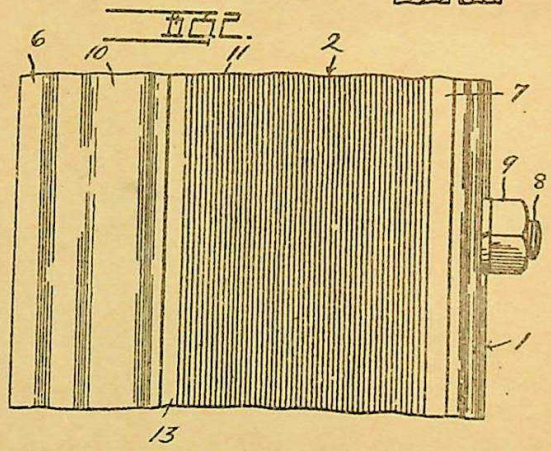


FIG 2.



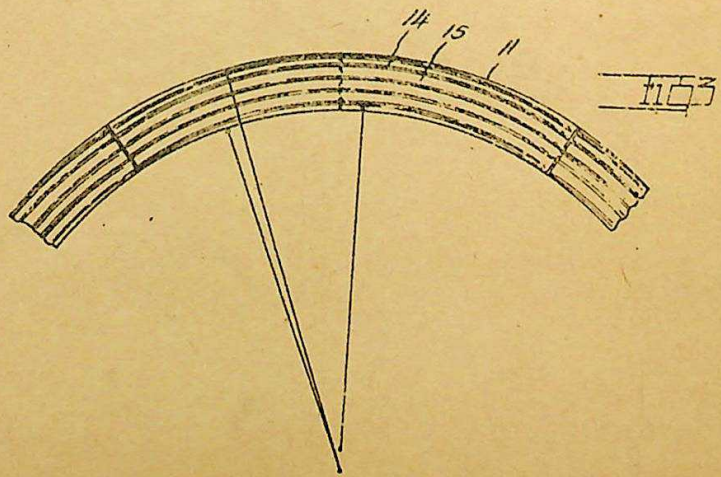


FIG 3